



Docket No.: 0103544.00131US2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Harold E. Helson Confirmation No.: 4787
Application No.: 09/502,133 Art Unit: 2128
Filed: February 11, 2000 Examiner: H. M. Jones
Title: ENHANCING STRUCTURE DIAGRAM GENERATION

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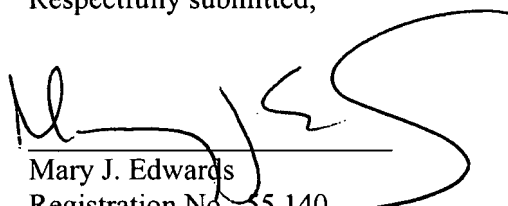
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Respectfully submitted,

Dated: May 21, 2007



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PTO/SB/08A/B (09-06)

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Substitute for form 1449/PTO				Complete if Known	
				Application Number	09/502,133-Conf. #4787
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	February 11, 2000
				First Named Inventor	Harold E. HELSON
				Art Unit	2128
				Examiner Name	H. M. Jones
				Attorney Docket Number	0103544.00131US2
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-5,619,421	04-08-1997	Venkataraman et al.	
	AB*	US-5,956,711	09-21-1999	Sullivan et al.	
	AC*	US-6,319,668-B1	11-20-2001	Nova et al.	
	AD*	US-6,871,198-B2	03-22-2005	Neal et al.	
	AE*	US-6,884,394-B1	04-26-2005	Hehenberger et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
	BA	JP-401161578	06-26-1989	Toshiba Corp.		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	CS CHEMFINDER, "The ChemFinder WebServer: Indexing Chemical Data on the Internet", http://web.archive.org/web/19990417145549/chemfinder.camsoft.com/chimia.html , September 16, 2006, 12 pages	
	CB	GELIN, B. R. et al., "Inventory Tracking and ChemOffice: CIS Pro Chemical Inventory Package Connects with CS ChemOffice," CambridgeSoft News, Press Release, August 24, 1998, 2 pages	
	CC	GELIN, B. R., "ChemACX Chemical Database: Search Over 100 Leading Catalogs on your Desktop or on the WWW," CambridgeSoft News, Press Release, January 18, 1999, 3 pages	
	CD	GELIN, B.R., "CS ChemInfo WebServer: Subscription Services Offer WWW Substructure Searching," CambridgeSoft News, Press Release, August 24, 1998, 2 pages	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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	AA*	US-4,747,059	05-24-1988	Hirayama et al.	
	AB*	US-4,473,890	09-25-1984	Araki et al.	
	AC*	US-5,418,944	05-23-1995	DiPace et al.	
	AD*	US-5,486,995	01-23-1996	Krist et al.	
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	AL*	US-5,978,848	11-02-1999	Maddalozzo, Jr. et al.	
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	AQ*	US-6,038,562	03-14-2000	Anjur et al.	
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	AT*	US-6,128,619	10-03-2000	Fogarasi et al.	
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	AQ1	US-US 2002/0049548	04-25-2002	Bunin	
	AR1	US-US 2002/0165853	11-07-2002	Gogalak	

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	BA	WO-99/58474	11-18-1999	ISIS Pharmaceuticals		

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Anonymous, "Databases Added to ChemWeb", <i>Information Today</i> , 2 pages, May, 1998	
	CB	BARNARD, J.M., "Substructure Searching Methods: Old and New", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 33, pp. 532-538, 1993	
	CC	BRECHER, "The ChemFinder WebServer: Indexing Chemical Data on the Internet", <i>CHIMIA</i> , Vol. 52, pp. 658-661, 1998	
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	CE	CASH, "A Simple Means of Computing the Kekule Structure Count for Toroidal Polyhex Fullerenes", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 38, No. 1, pp. 58-61, 1998	
	CF	Cambridge Scientific Computing, Inc., "Chem3D the Molecular Modeling System", pp. 1-337, 1990	
	CG	ChemDraw: Chemical Structure Drawing Standard (Publ. CambridgeSoft Corp.), pp. 68-69	
	CH	Cheminnovation Software, "Chemistry 4-D Draw", <i>User's Guide</i> , pp. 1-61, 1997	
	CI	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature. 1.Introduction and Background to a Grammar-Based Approach", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 101-105, 1989	
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	CK	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature.3.Syntax Analysis and Semantic Processing", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 112-118, 1989	
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	CP	ERTL, P. et al., "WWW-Based Chemical Information System", <i>Journal of Molecular Structure</i>	

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		(<i>Theochem</i>), Vol. 449, p. 113-129, 8 December 1997	
	CQ	GLENDENING et al., "Natural Resonance Theory: I. General Formalism", <i>Journal of Computational Chemistry</i> , Vol. 19, No. 6, pp. 593-609, 30 April 1998	
	CR	GRAOVAC et al., "Kekule Index for Valence Bond Structures of Conjugated Polycyclic Systems", <i>Journal of the American Chemical Society</i> , Vol. 95, No. 19, pp. 6267-6273, 1973	
	CS	IHLENFELDT, W.W. et al., "Augmenting Connectivity Information by Compound Name Parsing: Automatic Assignment of Stereochemistry and Isotope Labeling", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 35, pp. 663-674, 1995	
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	CV	KIRBY et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature. 6. (Semi) Automatic Name Correction", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 31, pp. 153-160, 1991	
	CW	MORIKAWA, "Enumeration of Kekule Structures in Polyradical Polyhexes", <i>Computers Chem.</i> , Vol. 20, No. 2, pp. 159-165, 1996	
	CX	MORRISON et al., "Structure and Properties", <i>Organic Chemistry, Third Edition</i> , pp. 4-8, Copyright 1973	
	CY	MORRISON et al., <i>Organic Chemistry, Third Edition</i> , p. 324, Copyright 1973	
	CZ	NOTESS, G.R., "Offspring of PACS: Local databases on the net", <i>Database, Weston</i> , 4 pages, June 1993	
	CA1	PR Newswire: Judy Hunter, "CAS and Dialog agree to publish new standard", New York, Sec. 1, pg. 1 (2 pages total), 29 September 1994	
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	CC1	RUIZ et al., "Error Detection, Recovery, and Repair in the Translation of Inorganic Nomenclatures. 1. A Study of the Problem", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 36, No. 1, pp. 16-24, 1996	
	CD1	STILLWELL, "Computer Translation of Systematic Chemical Nomenclature to Structural Formulas - Steroids", <i>Journal of Chemical Documentation</i> , Vol. 13, No. 3, pp. 107-109, 1973	
	CE1	VANDER STOUW et al., "Automated Conversion of Chemical Substances Names to Atom-Bond Connection Tables", <i>Journal of Chemical Documentation</i> , Vol. 14, No. 4, pp. 185-193, 1974	
	CF1	VANDER STOUW et al., "Procedures for Converting Systematic Names of Organic Compounds into Atom-Bond Connection Tables", <i>Journal of Chemical Documentation</i> , Vol. 7, No. 3, pp. 165-169, 1967	
	CG1	WILDER, "Net Catalog Sales", <i>Information Week; Manhassete</i> , 2 pages, 1 February 1999	

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